

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A portable water heater providing a continuous flow of hot water by heating the water as it flows through the portable water heater to the user for immediate use, the portable water heater comprising:

a housing having a plurality of walls including a top wall and a bottom wall, the top wall and the bottom wall each having a plurality of openings formed therein, the housing forming a front portion and a back portion separated by a vertical dividing member;

a plurality of fuel burners located in the back portion and configured to produce heat into the housing as fuel is burned, each of the plurality of fuel burners being independently operable; ~~and~~

at least one heat transfer conduit having a substantially uncoiled output portion and a substantially uncoiled input portion fluidly connected to a water source, substantially all of the at least one heat transfer conduit being disposed about a horizontal axis in the housing, the at least one heat transfer conduit being located in the back portion and in thermal communication with the plurality of fuel burners and configured to transfer the heat produced by the plurality of fuel burners to the water flowing through the at least one heat transfer conduit and to output heated water outside of the housing[[]];

a valve control assembly located in the front portion fluidly connected to the plurality of fuel burners; and

wherein each of said plurality of fuel burners is entirely outside each of the at least one heat transfer conduit and the housing being configured to allow the incoming air to flow around the at least one fuel burner and through the housing substantially unobstructed.

2. (Previously Presented) The portable water heater of claim 1, wherein the at least one heat transfer conduit comprises at least one coiled tube.

3. (Original) The portable water heater of claim 2, wherein at least a portion of the coiled tubing forms a cylindrical shaped member.

4. (Canceled).

5. (Canceled).

6. (Previously Presented) The portable water heater of claim 1, wherein the housing further comprises a plurality of plates, the plurality of plates being disposed about the at least one heat transfer conduit and the plurality of fuel burners and spaced apart from at least some of the plurality of walls of the housing.

7. (Previously Presented) The portable water heater of claim 1, wherein one or more support rods are disposed horizontally between two spaced apart vertical plates, wherein the at least one heat transfer conduit is supported by the one or more support rods.

8. (Previously Presented) The portable water heater of claim 1, wherein the at least one heat transfer conduit is fluidly connected to an intake conduit.

9. (Previously Presented) The portable water heater of claim 1, wherein the intake conduit is connected to a pump being sized and configured to pump water through said at least one heat transfer conduit with sufficient force to output heated water outside of the housing.

10. (Previously Presented) The portable water heater of claim 1, wherein the at least one heat transfer conduit is fluidly connected to an outlet conduit, the outlet conduit terminating in a spray head for producing a spray of water.

11. (Canceled).

12. (Currently Amended) A portable water heater for providing a continuous flow of hot water by heating the water as it flows to the user for immediate use, the portable water heater comprising:

a housing having a plurality of walls, the housing forming a front portion and a back portion separated by a vertical dividing member;

a heat transfer conduit fluidly connected to a water source and configured to output heated water outside of the housing, the heat transfer conduit being located in the back portion and configured into a coiled tube; ~~and~~

a fuel burner in thermal communication with the heat transfer conduit, the fuel burner being located in the back portion and entirely outside of the coiled tube, the fuel burner being positioned such that the flame of the fuel burner is substantially perpendicular to the coiled tube and is in direct thermal communication thereto; and

a valve control assembly located in the front portion fluidly connected to the fuel burner.

13. (Original) The portable heater of claim 12, wherein the coiled tubing is disposed about a horizontal axis in the housing.

14. (Original) The portable water heater of claim 12, wherein the fuel burner is situated in relation to the heat transfer conduit so as to evenly distribute heat along the length of the heat transfer conduit.

15. (Original) The portable water heater of claim 12, wherein the housing further comprises a plurality of plates, the plurality of plates being disposed about the heat transfer conduit and fuel burner and spaced apart from at least some of the plurality of walls of the housing.

16. (Original) The portable water heater of claim 15, wherein one or more support rods are disposed horizontally between two spaced apart vertical plates, wherein the heat transfer conduit is supported by the one or more support rods.

17. (Original) The portable water heater of claim 12, wherein the heat transfer conduit is fluidly connected to an intake conduit.

18. (Original) The portable water heater of claim 17, wherein the intake conduit is connected to a pump being sized and configured to pump water through said heat transfer conduit with sufficient force to output heated water outside of the housing.

19. (Original) The portable water heater of claim 12, wherein the heat transfer conduit is fluidly connected to an outlet conduit, the outlet conduit terminating in a spray head for producing a spray of water.

20. (Original) The portable water heater of claim 12, wherein one of the plurality of walls of the housing comprises an upper surface that is substantially planar, the upper surface providing a surface for heating items while the portable water heater is in use.

21. (Currently Amended) A portable water heater for use in emergency situations, the portable water heater providing a continuous flow of hot water by heating the water as it flows through the portable water heater to the user for immediate use, the portable water heater comprising:

a housing having a plurality of walls including a top wall and a bottom wall, the top wall and the bottom wall each having a plurality of openings formed therein;

a fuel burner configured to produce heat into the housing as fuel is burned, the fuel burner being incrementally operable, the housing being configured to allow the incoming air to flow around the at least one fuel burner and through the housing substantially unobstructed; and

a heat transfer conduit fluidly connected to a water source, the heat transfer conduit being in direct thermal communication with the fuel burner and configured to transfer the heat produced by the fuel burner to the water flowing through the heat transfer conduit and to output heated water outside of the housing [,.]

~~wherein the fuel burner is entirely outside the heat transfer conduit and is situated in relation to the heat transfer conduit so as to evenly distribute heat along the length of the heat transfer conduit.~~

22. (Previously Presented) The portable water heater of claim 21, wherein the heat transfer conduit comprises at least one coiled tube.

23. (Original) The portable water heater of claim 22, wherein at least a portion of the coiled tubing forms a cylindrical shaped member.

24. (Original) The portable heater of claim 23, wherein the coiled tubing is disposed about a horizontal axis in the housing.

25. (Canceled).

26. (Canceled).

27. (Original) The portable water heater of claim 21, wherein one or more support rods are disposed horizontally between two spaced apart vertical plates, wherein the heat transfer conduit is supported by the one or more support rods.

28. (Canceled).

29. (Original) The portable water heater of claim 21, wherein the intake conduit is connected to a pump being sized and configured to pump water through said heat transfer conduit with sufficient force to output heated water outside of the housing.

30. (Original) The portable water heater of claim 21, wherein the heat transfer conduit is fluidly connected to an outlet conduit, the outlet conduit terminating in a spray head for producing a spray of water.

31. (Original) The portable water heater of claim 21, wherein one of the plurality of walls of the housing comprises an upper surface that is substantially planar, the upper surface providing a surface for heating items while the portable water heater is in use.

32. (Currently Amended) A portable water heater for use in emergency situations, the portable water heater providing a continuous flow of hot water by heating the water as it flows to the user for immediate use, the portable water heater comprising:

a housing having a plurality of walls;

at least one heat transfer conduit having a substantially uncoiled output portion and a substantially uncoiled input portion fluidly connected to a water source and configured to output heated water outside of the housing, the heat transfer conduit being configured into coiled tubing and substantially all of the heat transfer conduit being disposed about a horizontal axis in the housing; and

at least one fuel burner being in direct thermal communication with the at least one heat transfer conduit, each of the at least one fuel burner being independently operable and placed entirely outside of each coiled tube.

33. (Canceled).

34. (Previously Presented) The portable water heater of claim 32, wherein the at least one fuel burner is situated in relation to the at least one heat transfer conduit so as to evenly distribute heat along the length thereof.

35. (Previously Presented) The portable water heater of claim 32, wherein the housing further comprises a plurality of plates, the plurality of plates being disposed about the at least one heat transfer conduit and the at least one fuel burner and spaced apart from the plurality of walls of the housing.

36. (Previously Presented) The portable water heater of claim 35, wherein one or more support rods are disposed horizontally between two spaced apart vertical plates, wherein the at least one heat transfer conduit is supported by the one or more support rods.

37. (Previously Presented) The portable water heater of claim 32, wherein the at least one heat transfer conduit is fluidly connected to an intake conduit.

38. (Previously Presented) The portable water heater of claim 37, wherein the intake conduit is connected to a pump being sized and configured to pump water through said at least one heat transfer conduit with sufficient force to output heated water outside of the housing.

39. (Previously Presented) The portable water heater of claim 32, wherein the at least one heat transfer conduit is fluidly connected to an outlet conduit, the outlet conduit terminating in a spray head for producing a spray of water.

40. (Canceled).

41. (Currently Amended) The portable water heater of claim 1, further comprising:
controls for incrementally controlling the flow of water through the at least one heat transfer conduit; and
~~a valve control assembly~~ at least one control valve for incrementally controlling each of the at least one fuel burner.

42. (Currently Amended) The portable water heater of claim 41, wherein the ~~valve control assembly~~ at least one control valve is outside the housing.

43. (Previously Presented) The portable water heater of claim 1, wherein the housing has a top wall and a bottom wall, the top wall and the bottom wall each having a plurality of

openings formed therein, the housing being configured to allow the incoming air to flow around the at least one fuel burner and through the housing substantially unobstructed.

44. (Previously Presented) The portable water heater of claim 12, wherein the housing further comprises a bottom wall and a top wall, the bottom wall and the top wall each having a plurality of openings formed therein allowing the incoming air to flow upwardly through the housing substantially unobstructed.

45. (Previously Presented) The portable water heater of claim 21, wherein the fuel burner is horizontally disposed in the housing below the heat transfer conduit.

46. (New) The portable water heater of claim 1, wherein the plurality of fuel burners are 35,000 BTU burners and fabricated from cast-iron.

47. (New) The portable water heater of claim 12, wherein the fuel burner is a 35,000 BTU burner and fabricated from cast-iron.

48. (New) The portable water heater of claim 21, wherein the fuel burner is a 35,000 BTU burner and fabricated from cast-iron.